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# 419  
12-12-01

PATENT  
Attorney Docket No. SAM-0260

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Jung-Lim Yoon, *et al.*  
Filing Date: Herewith  
Title: FLIP CHIP TYPE SEMICONDUCTOR DEVICE AND METHOD OF  
FABRICATING THE SAME

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10

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10/10/01  
Date

*Vanessa Marakas*  
Vanessa Marakas

BOX PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to prosecution on the merits, please amend the above-identified application as follows:

In the Specification

Please replace the paragraph at page 6 line 22 through page 7 line 10 with the following rewritten paragraph.

-- In the passivation layer 60 of the pad area, at least one first metal line 68a is disposed, and in the passivation layer 60 of the fuse area b, a plurality of, for example at least a pair of, second metal lines 68b are disposed. Top surfaces of the first and second metal lines 68a, 68b have the same height as a top surface of the passivation layer 60. The first and second metal lines 68a, 68b include a copper layer pattern 67 having superior conductivity and electromigration as compared with an aluminum layer, and a diffusion barrier metal layer pattern 65 enclosing side walls and bottoms of the copper layer pattern 67. It is desirable that the diffusion barrier metal

FOOTNOTES 52042650

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